CLAIMS

We claim:

1.   1.   A system for ensuring transparent synchronization of multiple applications across

2   remote systems, the transparent synchronization system comprising:

3   local application sharing logic configured to receive events to be shared from a local

4   application, and transmit said events to be shared;

5   remote application sharing logic configured to receive said events to be shared from said

6   local application sharing logic, and transmit said events to at least one corresponding remote

7   application for processing; and

8   transparent synchronization logic configured to ensure transparent synchronization said at

9   least one local application with said at least one remote application.

1.   2.   The system of claim 1, wherein said transparent synchronization logic further

2   comprises:

3   remote event buffering logic configured to buffer said events to be shared received by

4   remote application sharing logic.

1   3.   The system of claim 2, wherein said remote event buffering logic further

2 comprises:

3   remote synchronization logic configured to determine if said at least one corresponding

4 remote application is ready to receive said events to be shared.

1   4.   The system of claim 3, wherein said remote synchronization logic further

2 comprises:

3   remote status inquiry logic configured to send an inquiry to said at least one corresponding

4 remote application requesting notification when said at least one corresponding remote application

5 is ready to receive said events to be shared, and

6   wherein said remote application sharing logic is configured to transmit said events to said

7 at least one corresponding remote application for processing when said at least one corresponding

8 remote application indicates a ready to receive said events to be shared status as a result of said

9 inquiry.

1   5.   The system of claim 2, wherein said transparent synchronization logic further

2 comprises:

3   local buffering status logic configured to suspend the transmission of said events to be

4 shared when said remote application sharing logic indicates said buffer exceeds a buffer full

5 threshold.

1 6. The system of claim 5, wherein said local buffering status logic further comprises:

2   application input suppression logic configured to suppress input to said at least one local

3 application when said remote application sharing logic indicates said buffer exceeds a buffer full

4 threshold.

1 7. The system of claim 6, wherein said application input suppression logic further

2 comprises:

3   application input enable logic configured to enable input to said at least one local

4 application when said remote application sharing logic indicates said buffer is ready to receive

5 said events to be shared.

1 8. A method for ensuring transparent synchronization of multiple applications across

2 remote systems, comprising the steps of:

3   transmitting events to be shared from a local application;

4   receiving events to be shared by a local application sharing logic;

5   transmitting said events to be shared from said local application sharing logic to a remote

6 application sharing logic;

7   receiving events to be shared, from said local application sharing logic, by a remote

8 application sharing logic;

9   transmitting said events from said remote application sharing logic to at least one

10 corresponding remote application for processing; and

11   ensuring transparent synchronization of said events to be shared.

9.   The method of claim 8, wherein said ensuring transparent synchronization step

further comprises the step of:

providing a buffer for said events in said remote application sharing logic.

10.   The method of claim 9, wherein said ensuring transparent synchronization step

further comprises the step of:

determining if said at least one corresponding remote application is ready to receive said

events to be shared from said buffer

11.   The method of claim 10, wherein said determining step further comprises the steps

of:

sending an inquiry to said at least one corresponding remote application requesting

notification when said at least one corresponding remote application is ready to receive said events

to be shared; and

transmitting said events to said at least one corresponding remote application for

processing when said at least one corresponding remote application indicates a status ready to

receive said events to be shared.

12.   The method of claim 9, wherein said ensuring transparent synchronization step

further comprises the step of:

suspending the transmission of said events to be shared when said remote application

sharing logic indicates said buffer exceeds a buffer full threshold.

1   13.   The method of claim 12, wherein said suspending the transmission step further

2   comprises the steps of:

3   suppressing input to said at least one local application when said remote application

4   sharing logic indicates said buffer exceeds a buffer full threshold.

1   14.   The method of claim 13, wherein said suspending the transmission step further

2   comprises the steps of:

3   enabling input to said at least one local application when said remote application sharing

4   logic indicates said buffer is ready to receive said events to be shared.

1   15.   A system for ensuring transparent synchronization of multiple applications across

2   remote systems, said transparent synchronization system comprising:

3   means for transmitting events to be shared from a local application;

4   means for receiving events to be shared by a local application sharing logic;

5   means for transmitting said events to be shared from said local application sharing logic to

6   a remote application sharing logic;

7   means for receiving events to be shared, from said local application sharing logic, by a

8   remote application sharing logic;

9   means for transmitting said events from said remote application sharing logic to at least

10   one corresponding remote application for processing; and

11   means for ensuring transparent synchronization of said events to be shared.

1   16.   The system of claim 15, wherein said ensuring transparent synchronization means

2   further comprises:

3   means for providing a buffer for said events in said remote application sharing logic

4   receiving means.

1   17.   The system of claim 16, wherein said ensuring transparent synchronization means

2   further comprises:

3   means for determining if said at least one corresponding remote application is ready to

4   receive said events to be shared from said buffer.

1   18.   The system of claim 17, wherein said determining means further comprises:

2   means for sending an inquiry to said at least one corresponding remote application

3   requesting notification when said at least one corresponding remote application is ready to receive

4   said events to be shared; and

5   means for transmitting said events to said at least one corresponding remote application for

6   processing when said at least one corresponding remote application indicates a status ready to

7   receive said events to be shared.

1   19.   The system of claim 16, wherein said ensuring transparent synchronization means

2   further comprises:

3   means for suspending the transmission of said events to be shared when said remote

4   application sharing logic indicates said buffer exceeds a buffer full threshold.

1   20.   The system of claim 19, wherein said suspending means further comprises:

2   means for suppressing input to said at least one local application when said remote

3   application sharing logic indicates said buffer exceeds a buffer full threshold.

1   21.   The system of claim 20, wherein said suppressing input means further comprises:

2   means for enabling input to said at least one local application when said remote application

3   sharing logic indicates said buffer is ready to receive said events to be shared.